

In the Claims:

1. (currently amended) An oat feed for equines, wherein the oat feed comprises oats and an oat-balancing feed supplement, in which the feed supplement comprises [[for equines comprising]] a mix of components including lysine, iodine, copper, magnesium, zinc and calcium, wherein the quantity of lysine in the feed supplement fed to the equines per day ranges from about 3.00g to about 18.00g according to the age of the equine and wherein the mix of components in the feed supplement are present in the following ranges relative to 1g of lysine,

<u>Iodine</u>	<u>$5.3 \times 10^{-4} - 7.9 \times 10^{-4} \text{g}$</u>
<u>Copper</u>	<u>$5.3 \times 10^{-3} - 7.9 \times 10^{-3} \text{g}$</u>
<u>Magnesium</u>	<u>$2.1 \times 10^{-1} - 3.2 \times 10^{-1} \text{g}$</u>
<u>Zinc</u>	<u>$1.6 \times 10^{-2} - 2.4 \times 10^{-2} \text{g}$</u>
<u>Calcium</u>	<u>$5.3 \times 10^{-1} - 8.0 \times 10^{-1} \text{g}$</u>

2. (cancelled)

3. (cancelled)

4. (currently amended) An oat feed as defined in Claim 1, A feed supplement as claimed in any one of the preceding claims, in which the components of the mix are present in the following optimal ratios calculated relative to 1g lysine:-

Iodine	$6.6 \times 10^{-4} \text{g}$
Copper	$6.6 \times 10^{-3} \text{g}$
Magnesium	$2.6 \times 10^{-1} \text{g}$
Zinc	$2.0 \times 10^{-2} \text{g}$
Calcium	$6.6 \times 10^{-1} \text{g}$

5. (currently amended) An oat feed as defined in Claim 1, A feed supplement as claimed in any one of the preceding claims, in which the feed supplement further [[includes]] comprises one or more of the following substances:

Vitamin A	Vitamin B ₁₂
Vitamin D	Biotin
Vitamin E	Vitamin C
Vitamin K	Cobalt
Folic Acid	Selenium
Nicotinic Acid	Methionine
Pantothenic Acid	Threonine
Thiamine	Choline
Riboflavin	Iron
Pyridoxine	Manganese

6. (currently amended) An oat feed as defined in Claim 5, A feed supplement as claimed in any one of the preceding claims, in which the one or more substances [[or each substance]] is present in the following ratio ranges relative to 1g lysine:

	Optimal Ratio Range
Vitamin A	$2.7 \times 10^3 - 3.9 \times 10^3 \text{IU/g}$
Vitamin D	$2.7 \times 10^2 - 3.9 \times 10^2 \text{IU/g}$
Vitamin E	$1.0 \times 10^2 - 1.6 \times 10^2 \text{IU/g}$
Vitamin K	$2.7 \times 10^{-4} - 3.9 \times 10^{-4} \text{g}$
Folic Acid	$0.8 \times 10^{-2} - 1.2 \times 10^{-2} \text{g}$
Nicotinic Acid	$5.3 \times 10^{-3} - 7.9 \times 10^{-3} \text{g}$
Pantothenic Acid	$2.1 \times 10^{-3} - 3.1 \times 10^{-3} \text{g}$
Thiamine	$2.1 \times 10^{-3} - 3.1 \times 10^{-3} \text{g}$
Riboflavin	$2.6 \times 10^{-3} - 3.8 \times 10^{-3} \text{g}$
Pyridoxine	$1.3 \times 10^{-3} - 1.9 \times 10^{-3} \text{g}$
Vitamin B12	$1.0 \times 10^{-3} - 1.6 \times 10^{-3} \text{g}$
Biotin	$2.1 \times 10^{-4} - 3.1 \times 10^{-4} \text{g}$
Vitamin C	$2.1 \times 10^{-1} - 3.1 \times 10^{-1} \text{g}$
Cobalt	$2.1 \times 10^{-4} - 3.1 \times 10^{-2} \text{g}$
Selenium	$1.0 \times 10^{-4} - 1.6 \times 10^{-4} \text{g}$
Methionine	$2.6 \times 10^{-1} - 4.0 \times 10^{-1} \text{g}$
Threonine	$2.6 \times 10^{-1} - 4.0 \times 10^{-1} \text{g}$
Choline	$4.2 \times 10^{-2} - 6.4 \times 10^{-2} \text{g}$
Iron	$1.6 \times 10^{-2} - 2.4 \times 10^{-2} \text{g}$
Manganese	$1.6 \times 10^{-2} - 2.4 \times 10^{-2} \text{g}$

7. (currently amended) An oat feed as defined in Claim 5, A feed supplement as
~~claimed in any one of the preceding claims,~~ in which the one or more substances [[or each
substance]] is present in the following ratio calculated relative to 1g lysine:

Vitamin A	$3.3 \times 10^3 \text{IU/g}$
Vitamin D	$3.3 \times 10^2 \text{IU/g}$
Vitamin E	$1.3 \times 10^2 \text{IU/g}$
Vitamin K	$3.3 \times 10^{-4} \text{g}$
Folic Acid	$1.0 \times 10^{-2} \text{g}$
Nicotinic Acid	$6.6 \times 10^{-3} \text{g}$
Pantothenic Acid	$2.6 \times 10^{-3} \text{g}$
Thiamine	$2.6 \times 10^{-3} \text{g}$
Riboflavin	$3.2 \times 10^{-3} \text{g}$
Pyridoxine	$1.6 \times 10^{-3} \text{g}$
Vitamin B12	$1.3 \times 10^{-3} \text{g}$
Biotin	$2.6 \times 10^{-4} \text{g}$
Vitamin C	$2.6 \times 10^{-1} \text{g}$
Cobalt	$2.6 \times 10^{-4} \text{g}$
Selenium	$1.3 \times 10^{-4} \text{g}$
Methionine	$3.3 \times 10^{-1} \text{g}$
Threonine	$3.3 \times 10^{-1} \text{g}$
Choline	$5.3 \times 10^{-2} \text{g}$
Iron	$4.0 \times 10^{-2} \text{g}$
Manganese	$2.0 \times 10^{-2} \text{g}$

8. (currently amended) An oat feed as defined in Claim 1, ~~A feed supplement as claimed in any one of the preceding claims~~, in which the gross weight of the oat-balancing feed supplement ranges between 5.4g and 8.0g relative to 1g of lysine.

9. (currently amended) An oat feed as defined in Claim 1, ~~A feed supplement as claimed in any one of the preceding claims~~, in which a filling material is combined with the components and any one of the further substances to bring the oat-balancing feed supplement to a gross weight ranging between 5.45g and 8.0g relative to 1g of lysine.

10. (currently amended) An oat feed as defined in Claim 9, ~~A feed supplement as claimed in any one of the preceding claims~~, in which the filling material is cereal wheat.

11. (currently amended) An oat feed as defined in Claim 1, ~~A feed supplement as claimed in any one of the preceding claims~~, which is fed to a foal aged 3-6 months ~~[[month]]~~ in an amount sufficient to provide the foal ~~[[animal]]~~ with $3.75\text{g} \pm 20\%$ lysine per day.

12. (currently amended) An oat feed as defined in Claim 1, ~~A feed supplement as claimed in any of the claims 1 to 10~~, which is fed to a foal aged 6-12 months in an amount sufficient to provide the foal ~~[[animal]]~~ with $7.5\text{g} \pm 20\%$ lysine per day.

13. (currently amended) An oat feed as defined in Claim 1, ~~A feed supplement as claimed in any one of the Claims 1-10~~, which is fed to a yearling aged 12-18 months in an amount sufficient to provide the yearling ~~[[animal]]~~ with $11.25\text{g} \pm 20\%$ lysine per day.

14. (currently amended) An oat feed as defined in Claim 1, ~~A feed supplement as claimed in any one of the Claims 1 to 10~~, which is fed to an adult equine aged 18+ months in an amount sufficient to provide the adult equine [[animal]] with $15\text{g} \pm 20\%$ lysine per day.

15. (currently amended) An oat feed as defined in Claim 1, ~~A feed supplement as claimed in any one of the preceding claims~~, in which the oat-balancing feed supplement is administered to the equines [[horses]] in conjunction with any oat-based diet.